

SOFTWARE RECOVERY METHOD FOR FLASH MEDIA WITH DEFECTIVE FORMATTING

Abstract of Disclosure

A method and software program for recovering data from corrupted flash media. In one aspect, the method employs a low-level access scheme that enables data to be recovered when high-level interfaces, such as file systems, are damaged. The type of flash media is determined, and a corresponding access scheme is employed. Depending on the type of damage to the media, a physical-to-logical table may be built and employed to sequentially access the flash media in search of indicia from which selectable file-types can be identified, or the media may be accessed using normal operating system commands. Once the file indicia are found, the location of corresponding file data is identified, whereupon the file data are read and stored. The software program employs an application program interface (API) comprising one or more sets of pass-through commands to enable low-level access to the flash media and to build the physical-to-logical table.

Figures